

Tom Givetz  
Powder Mill Fish Hatchery (NH Fish&Game)  
288 Merrymeeting Road  
New Durham , NH 03855



Subject: Laboratory Report

Eastern Analytical, Inc. ID: 139050  
Client Identification: Powder Mill Fish Hatchery | Q4 2014  
Date Received: 12/12/2014

Dear Mr. Givetz :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Unless otherwise stated, holding times, preservation techniques, container types, and sample conditions adhered to EPA Protocol. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures. Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at [www.eailabs.com](http://www.eailabs.com) for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply to all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted

< : "less than" followed by the reporting limit

> : "greater than" followed by the reporting limit

%R : % Recovery

Eastern Analytical Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269) and Vermont (VT1012).

The following information is contained within this report: Sample Conditions summary, Analytical Results/Data, Quality Control data (if requested) and copies of the Chain of Custody. This report may not be reproduced except in full, without the the written approval of the laboratory.

If you have any questions regarding the results contained within, please feel free to directly contact me or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,



Lorraine Olashaw, Lab Director

12-22-14

Date

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# of pages (excluding cover letter)



## SAMPLE CONDITIONS PAGE

EAI ID#: 139050

Client: Powder Mill Fish Hatchery (NH Fish&Game)

Client Designation: Powder Mill Fish Hatchery | Q4 2014

Temperature upon receipt (°C): 2.4

Received on ice or cold packs (Yes/No): Y

Acceptable temperature range (°C): 0-6

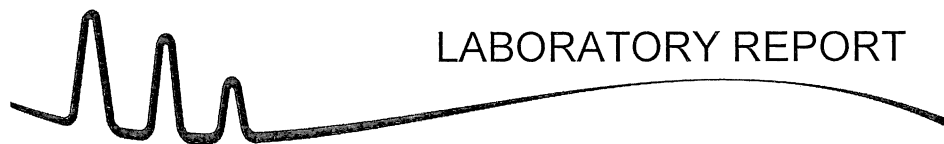
Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
139050.01	Outfall 001	12/12/14	12/12/14	aqueous		Adheres to Sample Acceptance Policy
139050.02	Outfall 002	12/12/14	12/12/14	aqueous		Adheres to Sample Acceptance Policy

Samples were properly preserved and the pH measured when applicable unless otherwise noted. Analysis of solids for pH, Flashpoint, Ignitibility, Paint Filter, Corrosivity, Conductivity and Specific Gravity are reported on an "as received" basis. Immediate analyses, pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite, performed at the laboratory were run outside of the recommended 15 minute hold time.

All results contained in this report relate only to the above listed samples.

References include:

- 1) EPA 600/4-79-020, 1983
- 2) Standard Methods for Examination of Water and Wastewater, 20th Edition, 1998 and 22nd Edition, 2012
- 3) Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
- 4) Hach Water Analysis Handbook, 2nd edition, 1992



# LABORATORY REPORT

EAI ID#: 139050

Client: Powder Mill Fish Hatchery (NH Fish&Game)

Client Designation: Powder Mill Fish Hatchery | Q4 2014

Sample ID:	Outfall 001	Outfall 002					
Lab Sample ID:	139050.01	139050.02					
Matrix:	aqueous	aqueous					
Date Sampled:	12/12/14	12/12/14					
Date Received:	12/12/14	12/12/14					
			RL	Units	Analysis		
					Date	Time	Method Analyst
Solids Suspended	3	< 2	2	mg/L	12/16/14	8:20	2540D-97 AT
Nitrate/Nitrite-N	< 0.5	< 0.5	0.5	mg/L	12/12/14	15:23	353.2 KD
Ammonia-N	0.08	0.23	0.05	mg/L	12/19/14	11:15	TM NH3 SEL
TKN	0.6	0.8	0.5	mg/L	12/16/14	12:04	4500N <sub>org</sub> C/N SEL
Total Nitrogen	0.6	0.8	0.5	mg/L	12/16/14	15:00	4500 <sub>org</sub> C/N SEL
Total Phosphorus-P	0.06	0.06	0.01	mg/L	12/15/14	12:01	365.1 SEL
BOD	8	3	3	mg/L	12/12/14	15:30	5210B-01 SCW

Total Nitrogen is determined by the addition of Nitrate-N, Nitrite-N and TKN (TKN = Ammonia plus TON) concentrations.

## CHAIN-OF-CUSTODY RECORD

139050

9

Date/Time  
Composites need start  
and stop dates/times

Matrix

Parameters and Sample Notes

# of containers

Outfall 001

12-11-14 8:34  
12-12-14 8:34aqueous  
Grab of Comp

AqTot/TSS/BOD/TPhos/TN/TKN/NO3NO2/NH3

4

☒ Sampler confirms ID and parameters are accurateCircle preservative/s: HCL HNO<sub>3</sub> H<sub>2</sub>SO<sub>4</sub> NaOH MeOH Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> ICE

Dissolved Sample Field Filtered

☐

Outfall 010

12-11-14 8:43  
12-12-14 8:43aqueous  
Grab of Comp

AqTot/TSS/BOD/TPhos/TN/TKN/NO3NO2/NH3

4

☒ Sampler confirms ID and parameters are accurateCircle preservative/s: HCL HNO<sub>3</sub> H<sub>2</sub>SO<sub>4</sub> NaOH MeOH Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> ICE

Dissolved Sample Field Filtered

☐

Please ensure this auto COC is accurate, adheres to permit or sampling requirements for this sampling event, and modify as necessary.

EAI Project ID 784

Project Name Powder Mill Fish Hatchery | Q4 2014

State NH

Client (Pro Mgr) Tom Givetz

Customer Powder Mill Fish Hatchery (NH)

Address 288 Merrymeeting Road

City New Durham NH 03855

Phone 859-2041

Fax

Email/Address: Jason.Smith@wildlife.nh.gov

Results Needed by: Preferred date 11/15

Reporting Options

PO# 02-07500

☒ HC☐ NO FAX

Quote#: 1011754

☒ EDD PDF☐ Partial FAX

Temp 24°C

☒ EDD email☐ PDF InvoiceIce ☒ ☐ N☐ PDF prelim, NO FAX☐ EQUIS

Temp 24°C

☐ e-mail Login Confirmation☐ EQUISIce ☒ ☐ N

Samples Collected by: Thomas Givetz

Date/Time 11/14/14 0905

Received by

Relinquished by

Date/Time 11/14/14 1030

Received by

Relinquished by

Date/Time

Received by

Eastern Analytical, Inc.

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